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NOTICE OF ALLOWANCE AND FEE(S) DUE

24737

7590

09/30/2009

PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510 EXAMINER

KAO, CHIH CHENG G

ART UNIT PAPER NUMBER

2882

DATE MAILED: 09/30/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575.585	04/11/2006	Michael Grass	DE 030351	9559

TITLE OF INVENTION: ASYMMETRIC CSCT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	I	ATTOI	RNEY DOCKET NO.	CONFIRMATION NO.
10/575,585 ITTLE OF INVENTION	04/11/2006 : ASYMMETRIC CSCI		Michael Grass				DE 030351	9559
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	12/30/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	3				
KAO, CHIH CHENG G		2882	378-006000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ess an assignee is identi n in 37 CFR 3.11. Comp	" Indication form ted. Use of a Customer A TO BE PRINTED ON	or agents OR, alter (2) the name of a registered attorney 2 registered patent listed, no name wi THE PATENT (print of data will appear on the second control of the second cont	rnativ single or ag attor ll be p or type he pa g an a	e firm (having as a regent) and the names neys or agents. If no printed. e) tent. If an assigned assignment.	nembers of upon amount of the contract of the	er a 2ee is 3entified below, the do	ocument has been filed for
Please check the appropri	ate assignee category or	categories (will not be p	rinted on the patent):		Individual 🖵 Cor	porati	on or other private gro	up entity Government
4a. The following fee(s) a ☐ Issue Fee ☐ Publication Fee (N ☐ Advance Order - #	permitted)	b. Payment of Fee(s): (A check is enclose Payment by credit The Director is he overpayment, to I	sed. it card	1. Form PTO-2038	is atta	ched. required fee(s), any def	,	
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu d Publication Fee (if requ	us. See 37 CFR 1.27.	ed from anyone other th				TTY status. See 37 CF	R 1.27(g)(2). e assignee or other party in
nterest as shown by the r	records of the United Sta	tes Patent and Trademarl	k Office.					
Authorized Signature					Date			
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an application. Confident submitting the completed his form and/or suggesti	iality is governed by 35 I application form to the ons for reducing this bu	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	. 1.14. This collection in y depending upon the in the Chief Information C	is esti indivi Office:	mated to take 12 mi idual case. Any com r. U.S. Patent and T	inutes iments radem	to complete, including s on the amount of time park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450,

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P.O. BOX 3001		ART UNIT	PAPER NUMBER			
BRIARCLIFF MANOR, NY 10510			2882			
			DATE MAILED: 09/30/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 214 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 214 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	 10/575,585	GRASS ET AL.		
Notice of Allowability	Examiner	Art Unit	_	
	Chih-Cheng Glen Kao	2882		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate commun IGHTS. This application is suit and MPEP 1308.	his application. If not included ication will be mailed in due course. THIS	€	
2. The allowed claim(s) is/are 1-4,7,8,10 and 12-16.	<u>-</u>			
3. ☑ Acknowledgment is made of a claim for foreign priority ur a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☑ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).	been received. been received in Application	No		
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAN	MINER'S AMENDMENT or NOTICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) including changes required by the Notice of Draftspers	•	(PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date				
 (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) 	.84(c)) should be written on the	drawings in the front (not the back) of		
each sheet. Replacement sheet(s) should be labeled as such in t	_			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowance		

Application/Control Number: 10/575,585 Page 2

Art Unit: 2882

REASONS FOR ALLOWANCE

1. Claims 1-4, 7-8, 10, and 12-16 are allowed. The following is an examiner's statement of

reasons for allowance.

2. Regarding claim 1, the prior art fails to disclose or fairly suggest a coherent-scatter

computed tomography apparatus for examination of an object of interest, the coherent-scatter

computed tomography apparatus including wherein the single contiguous radiation detector array

is asymmetrically arranged with respect to the fan-shaped radiation beam; wherein only a first

part of the single contiguous radiation detector array is used for a cone beam data acquisition and

simultaneously only a second part of the single contiguous radiation detector array is used for

scatter radiation measurements, wherein the first part is different from the second part and is

contiguous to the second part, in combination with all of the other limitations in the claim.

Claims 2-4, 7-8, and 14 are allowed by virtue of their dependency.

3. Regarding claim 10, the prior art fails to disclose or fairly suggest a method of examining

an object of interest, the method including the acts of measuring the primary radiation attenuated

by the object of interest and the scatter radiation scattered by the object of interest by the single

contiguous radiation detector array which is asymmetrically arranged with respect to the fan-

shaped radiation beam, wherein only a first part of the single contiguous radiation detector array

is used for a cone beam data acquisition and simultaneously only a second part of the single

contiguous radiation detector array is used for scatter radiation measurement, wherein the first

part is different from the second part and is contiguous to the second part, in combination with

Art Unit: 2882

all of the other limitations in the claim. Claims 12 and 15 are allowed by virtue of their

dependency.

4. Regarding claim 13, the prior art fails to disclose or fairly suggest a computer-readable

tangible medium embodying a program of instruction executable for operating a coherent-scatter

computed tomography apparatus, wherein, when the instructions are executed on a processor of

the coherent-scatter computed tomography apparatus, the computer-readable medium causes the

coherent-scatter computed tomography apparatus to perform the following operations, including

measuring a primary radiation attenuated by the object of interest and a scatter radiation scattered

by an object of interest by means of a single contiguous radiation detector array which is

asymmetrically arranged with respect to the fan-shaped radiation beam, wherein a first part of

the single contiguous radiation detector array is used for a cone beam data acquisition and

simultaneously only a second part of the single contiguous radiation detector array is used for

scatter radiation measurements, wherein the first part is different from the second part and is

contiguous to the second part, in combination with all of the other limitations in the claim. Claim

16 is allowed by virtue of its dependency.

5. Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Application/Control Number: 10/575,585 Page 4

Art Unit: 2882

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chih-Cheng Glen Kao whose telephone number is (571)272-

2492. The examiner can normally be reached on M - F (9 am to 5 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ed Glick can be reached on (571) 272-2490. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chih-Cheng Glen Kao/

Primary Examiner, Art Unit 2882